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DOE ORDER #

93 RF 14268

EG&G ROCKY FLATS

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November 19, 1993

93-RF-14268

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ACCELERATED SLUDGE REMOVAL STATUS MEETING FOR NOVEMBER 12, 1993
- JBM-120-93

• Title II Engineering - Permanent Facilities

Ron Heitland

- Tank Layout

The Review Package was issued November 8, 1993 and the Final Package will be issued November 19, 1993.

- Tank Vent System

The Review Package is due for submittal November 22 with the Final Package scheduled for issuance December 1, 1993.

The tank layout held up the designing of the tank vent design package. At this point Engineering has completed as much as possible until they know the final tank layout. It is important that this project proceed with the information we know so far. Tom Bourgeois will set a meeting with J. A. Jones and Greg Pickerel to give them the information needed to push this plan ahead.

Without a tank vent system installed before the arrival of the tanks other options must be explored to allow tank filling to proceed. Options that the team discussed included venting into the tent, a temporary vent hose system, and various hose layouts. Part of the problem is that the plant has no provisions for sampling in this situation. They would not know what to sample for or what those sampling results might indicate. The project has plenty of data about the sludge out in the open, but very little, if any, information about how the mixture reacts closed up. Venting into the tents may not be possible because the health risks at this point are unknown. A temporary hose system may work until the vent system is installed and the hosing might be reusable for that final system. More information is needed about the proper hose layout, the health criteria when moving sludge at B ponds (which does not require a face mask), and sampling that might have been done to pond material in drums on 788. Steve Keith will talk to Bret Clausen about the vent issue.

The temporary system should not hold up tank installation.

- I & C (Leak Detection)

The Review Package is due November 22 and the Final Package should be issued December 1, 1993.

• Title II Engineering - Temporary Facilities

Tom Beckman

We can closeout the plan for the MTS subcontract. The Vacuum Truck option has been okayed, so we no longer need the design work.

- Status of ITC Contract

The progress for contracting an Independent Professional Engineer is right on schedule. ERM Rocky Mountain is next in the plant queue for contracting. The proposal came from the buyer yesterday. Our contract people have the contract and have begun to review it. By next Wednesday or Thursday, November 17-18, 1993, we should have a contract in place. At first glance, ERM Rocky Mountain's price seems to be below the government cost estimate. We will need to remove the call for services on the pumping and piping system. The Independent PE also will not need to approve the tanker truck. The vendor will have that done as part of their written scope of work.

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ORIG & TYPIST INITIALS

ADMIN RECORD

- Systems Engineering Status

Scott Kozel

- Heater design

The current design looks at a 2-3 unit heaters system in each tent. We need to determine how heavy a load the tent ribs can support. If we place the heaters on the ground, we have another set of issues to resolve including healthy and safety requirements like safety rails. We might not have enough room to accommodate the heaters or their protection. The tank layout precisely fills the available space such that the only open space in the air is about all that is left.

We already knew that this system could not be put in place before operations this winter. We could look at using 6 smaller units, but there probably are not 6 air spaces for hanging heaters. This activity is not on the critical path since the heaters are going in after the tanks have been filled. The design is on schedule to be issued December 30, 1993.

With the tank truck option we no longer need to heat the South pond with the coffer dam plan. We will need to use the heater soaker for water in the north pond.

- Construction Status

Tom Bourgeois

- Tank Delivery

The current plan has us receiving 8 tanks a week. We are more than staffed for this rate of arrival, and some weeks we may need to double the amount of tanks arriving. That schedule would be 4 tanks a day 4 days a week with no tank delivery on Mondays.

The task order was awarded to J. A. Jones on November 11, 1993 for early participation on ASRP. This task includes a tank move in plan.

The White Paper is not done yet. There are some minor issues about offloading, coordinating with the shipper to expedite offloading, revising it to cover Holiday work. The tank installation Statement of Work (SOW) includes all physical work to handle and install tanks.

- Procurement of Subcontractor Services

A task was awarded on November, 11, 1993 to raise the heaters in Tents 3, 4, and 6, and clearing the east end of the 750 pad to J. A. Jones. Construction will start on November 15, 1993. This task should take about two weeks per tent, but we will try to accelerate.

- Heater/Soaker Mods

The SOW went out yesterday, November 11, 1993. We should get information about the government and J. A. Jones cost estimates next week.

- Turbines & Doors

A request for estimate was issue to J. A. Jones on November 10, 1993 for the Door and Ventilator package. We anticipate the return of the proposal by November 17, 1993. A Technical Evaluation will follow. However, it might be November 22, 1993 before the task starts.

- Tank Truck

Ray Boyle

With this plan we no longer want to use the coffer dam. We will need to have a couple hundred gallons of water in North pond in a warm condition to use during freezing sludge conditions. We will leave almost only sludge in South pond, because the vacuum can pick it up almost dry --like vacuuming dust off carpet. At the end of operations, we can wash south pond with the north pond water. Once the washing is complete, we can send that water to 374. We need to look at this plan in further detail and see where we need control. Input and comments from the team can be directed back to Ray.

A bid for these trucks went out to the eight vendors who were interested.

We will need to change the Heater/Soaker Modification plan. November 23 was the planned date to deliver the contract. We could still proceed this way and do a change notice. This would be a fairly minor modification because the pipe to north pond is only about 30 to 40 feet.

There are still some issues regarding leak protection, driving route for the trucks, leaks on the roadways, caps for the lines, disconnect procedure, and driving the tanker trucks into the tents. label truck itself an RCA, a decide where to leak it

Another problem is that the 2 inch manway is probably too small for transfer. We must wait until we get bids from tank truck people before making any changes in the tank design. We might need to renegotiate with Health and Safety the on the safety of increasing the pipe width from two to four inches.

We will probably still need to circulate the C pond to get the salt layer broken up.

- Permitting

Kathy London

DOE should have the final signatures by Monday, November 15, 1993. The document could be at CDH by Tuesday, November 16, 1993. The CDH Permitter has an informal copy of pertinent information, but she wants more information from ASRP to complete the permit process.

- Safety Analysis

Don Ferrier

The needed document is now called the Basis for Interim Operations. This change is needed because this is not a continuing but a new operation. The package is scheduled to be completed December 17, 1993. The drafters are holding a review meeting every Wednesday to keep the effort on track, and they will try to accelerate the completion date to December 7, 1993. If designing the C pond portion of the document takes too long, then they will break out B Pond information as a separate document. No problems expected.

- Schedule

Joe Mellen

The project now has a "top-down" schedule showing when activities need to be accomplished to make the DOE-encouraged schedule. Leon and Matt will talk to everyone soon about this schedule and comparing it to our current rate of work.

This project has become a test case to see if EG&G can perform this work at this accelerated pace. The Cost Plus Award is being finalized and Mr. Silverman should be sending a formal letter with dates specified. The dates expected from Mr. Silverman are to have the B pond empty by December 31, 1993 and the C pond empty by March 31, 1993.

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• Procedures

Vivian Valencia

Basically, procedure writing is on hold until the tanker truck contract is in place and we know what the vendor will bring and what work still needs to be done. Valencia will get with Ray to prepare for integrating the vendor's system with ours.



J. B. Mellen, Program Manager
Accelerated Sludge Removal Program
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EG&G Rocky Flats, Inc.

jec

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